



Type **SLR**

IP.67 Polycarbonate Valve Position Monitor



The type SLR valve position monitor has been designed to reduce installation costs and space requirements but at the same time offering rugged reliability in the most testing environments.

Utilising a corrosion resistant polycarbonate enclosure for added protection, the SLR monitor incorporates a number of distinct features that allow plant personnel to install, monitor and maintain the valve assembly with the minimum of fuss.

Features and Benefits

- Enclosure manufactured in polycarbonate for improved chemical and mechanical resistive properties.
- Versions available providing compatibility for hazardous area applications including EEx ia intrinsic safety.
- A lockable part-turn quick access cover ensures fast access for speedy start-up.
- High visibility position indicator with different colouring options providing clear local indication of the current valve position.
- Using a stainless steel drive shaft that eliminates the problems associated with plastic shaft assemblies thus allowing precise switch setting.
- IP67 ingress protection.
- Quick setting switch cams that are set without the need for additional tools allow fast and simple switch adjustments.
- Switch termination via. European approved terminal blocks.
- Compact design provides considerable space saving over similar equipment without compromising the ease of installation or maintenance.
- Simplified mounting arrangements allow quick and secure mounting to pneumatic actuators with VDI/VDE.3845 topworks as well as other actuators with non-standard topworks.
- Different electrical functions available including mechanical switches, reed type proximity switches and inductive proximity sensors.



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Materials of Construction

| | | | |
|----------------|-----------------------|--------------|----------------------------|
| Housing | Polycarbonate (Black) | Cover | Polycarbonate (Clear) |
| Shaft | 300 Stainless Steel | Seals | Nitrile (Optional – Viton) |

Enclosure

| | | | |
|------------------------|--|---------------------------|------|
| Type | Weatherproof | Ingress Protection | IP67 |
| Conduit Entries | 2 x M20 (Optional – PG13.5 and ½" NPT) | | |

Visual Indication

| | |
|---------------|--|
| Type R | Red Closed/Green Open (Optional – Blue Closed/White Open, Navy Closed/Yellow Open) |
|---------------|--|

Electrical Functions*

| | | |
|-----------|--|---|
| 16 | (2) SPDT V3 Mechanical | 10 A @ 125/250 VAC, 0.5 A @ 125 VDC |
| 17 | (2) SPDT V3 Mechanical 'Gold Plated' Contacts | 1 A @ 125 VAC, 0.5 A @ 30VDC |
| 40 | (2) SPST Reed Type Proximity | 0.15 A @ 30 VDC |
| 42 | (2) V3 Namur Type Inductive Proximity EEx ia | On I <1mA, Off I >3mA, 8 VDC Nominal |
| | (2) V3 Inductive Proximity 3-Wire | On Request |
| 43 | (2) Cylindrical & Slotted Namur Inductive Proximity EEx ia | On I <1mA, Off I >3mA, 8 VDC Nominal |
| | (2) Cylindrical Inductive Proximity 3-Wire | On Request |
| 96 | AS-Interface Communication Model | 4 Inputs Open & Closed / 2 Power Outputs 25 to 30 VDC, 4 Watts |

Hazardous Area Classification

| | |
|--|--|
| Functions 16, 42, 43 and 96 | Non-Hazardous |
| Functions 17, 40, 42 (2-Wire Namur) and 43 (2-Wire Namur) | ATEX II 2 G / EEx ia IIB T6 Intrinsic Safety |

*Note – Other models available on request